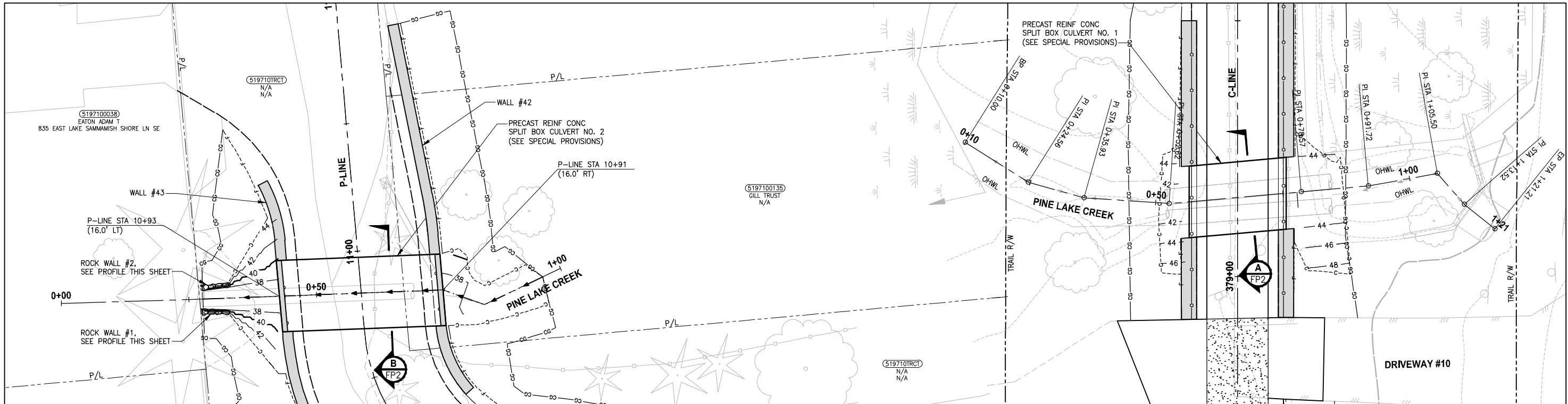
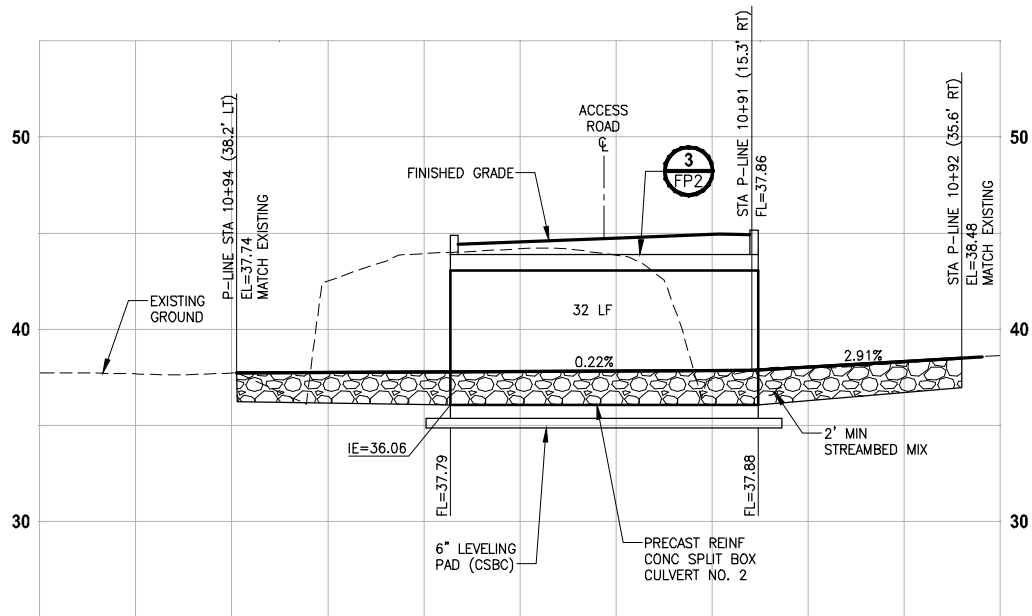


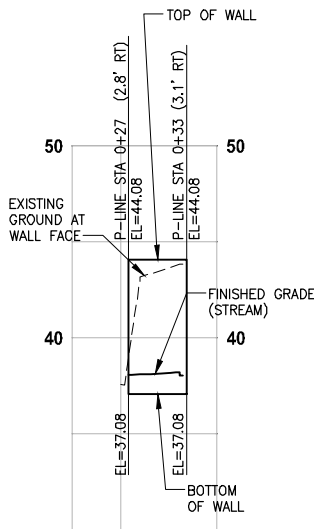
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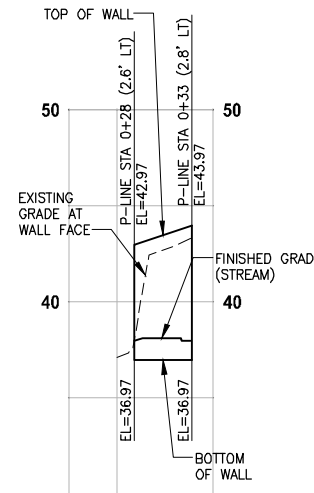
**PINE LAKE CREEK
PLAN**
SCALE IN FEET
0 10' 20'



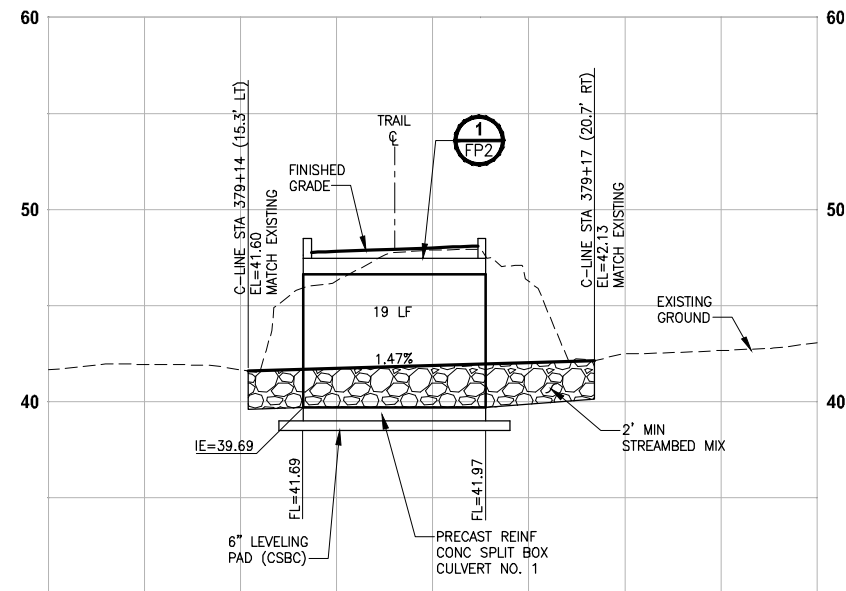
**PINE LAKE CREEK 2
PROFILE P-LINE STA 10+92**
HORIZ: 1"=10'
VERT: 1"=5'



**ROCK WALL #1
PROFILE**
HORIZ: 1"=10'
VERT: 1"=5'



**ROCK WALL #2
PROFILE**
HORIZ: 1"=10'
VERT: 1"=5'



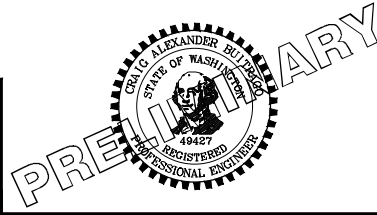
**PINE LAKE CREEK 1
PROFILE C-LINE STA 379+15**
HORIZ: 1"=10'
VERT: 1"=5'

CITY OF SAMMAMISH APPROVAL	
City Engineer	Date
Community Development	Date

**REVISED 60 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION**

REVISIONS	DATE	BY	DESIGNED
			C. BUITRAGO
			DRAWN
			B. PURGANAN
			CHECKED
			P. JOHANNESSEN
			APPROVED
			Y. HO

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY.
FILE NAME
BL1521075P19T03FP-01
JOB No.
554-1521-075 P19 T03
DATE
JULY 2017



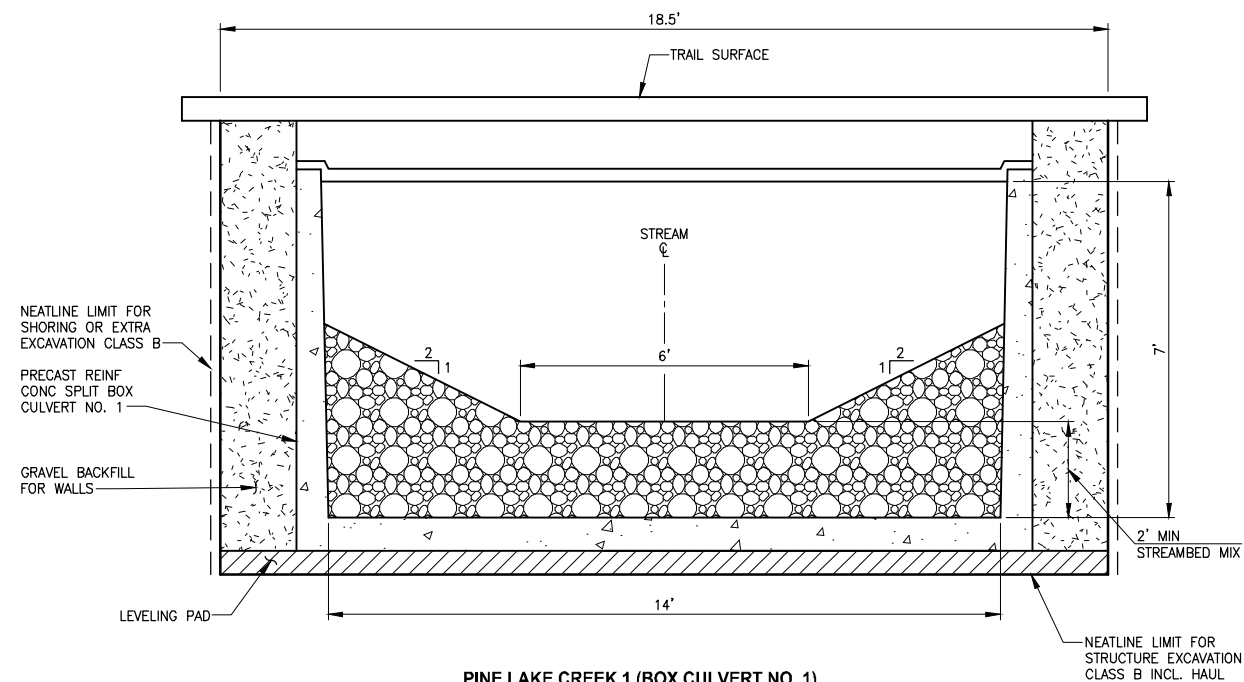
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P 206.394.3700
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PROJECT NAME
**EAST LAKE SAMMAMISH
MASTER PLAN TRAIL
SOUTH SAMMAMISH SEGMENT B**
SAMMAMISH, WA

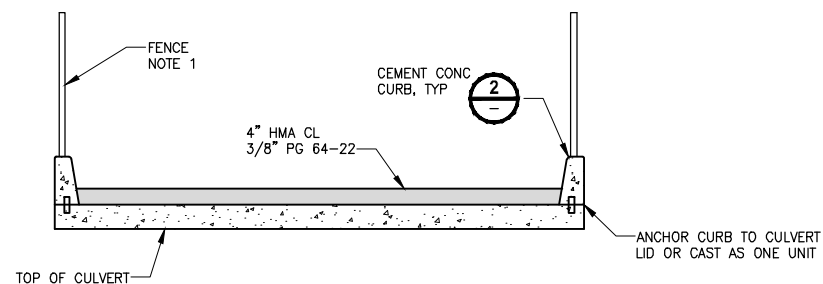
FISH PASSAGE CULVERTS

SHEET NO.
98 OF 158
FP1

LAYOUT: FP2 PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST\99Svcs\CADD\Phase 19\T03 Civil\Dwg\ PLOTTED BY: purgabut DATE: Friday, July 07, 2017 5:21:03 PM



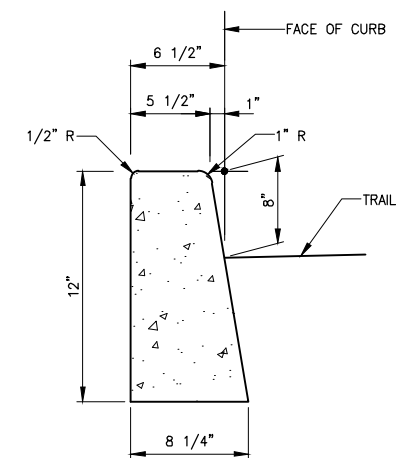
PINE LAKE CREEK 1 (BOX CULVERT NO. 1)
TYPICAL SECTION 
NO SCALE



**CULVERT COVER
DETAIL**
NO SCALE

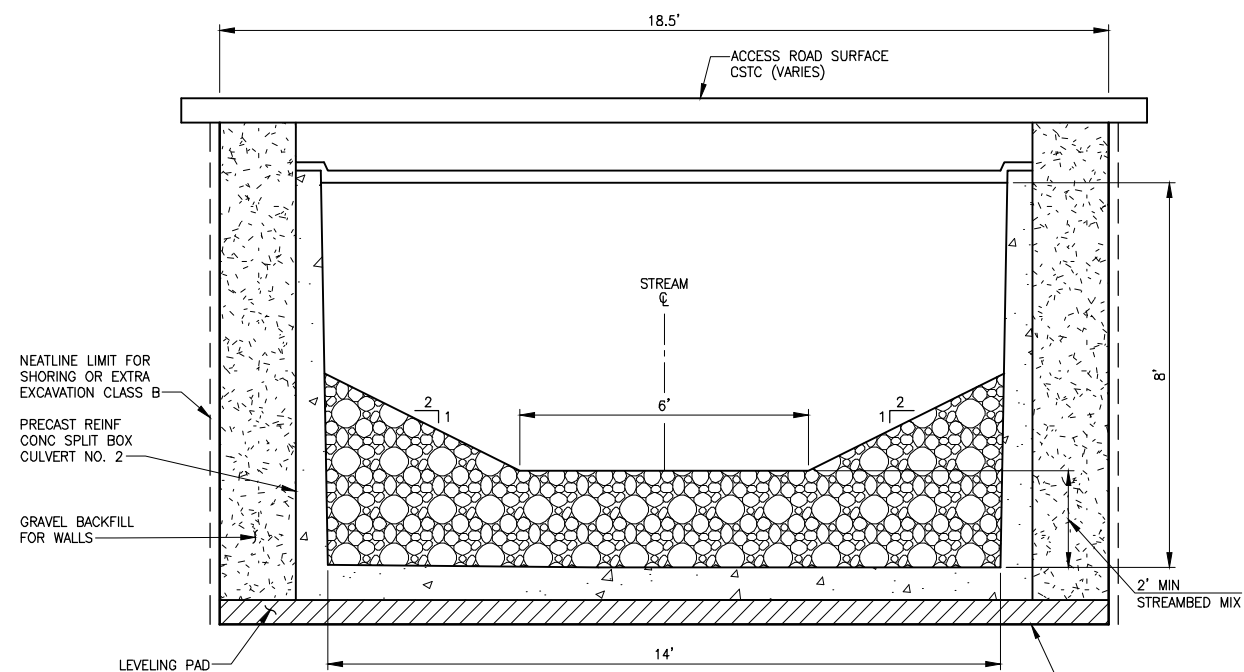
NOTE:

1. FENCE SHALL BE IN LINE WITH CURBS. IF FENCE SECTION CANNOT SPAN THE CULVERT, THEN POST SHALL BE PLATE MOUNTED TO CONCRETE CURB.

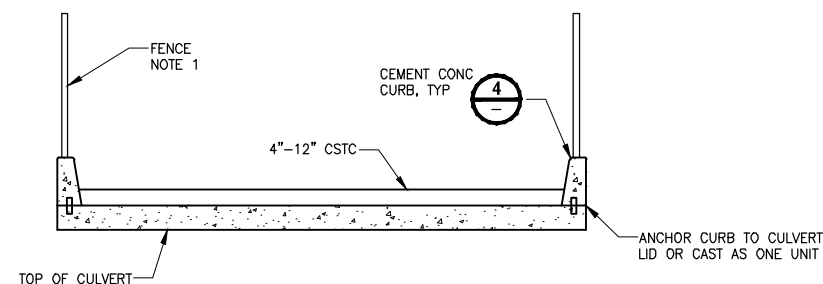


**CEMENT CONCRETE CURB
DETAIL**

NO SCALE



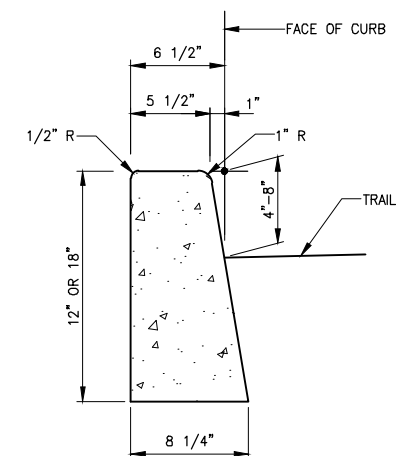
PINE LAKE CREEK 2 (BOX CULVERT NO. 2)
TYPICAL SECTION 
NO SCALE



**CULVERT COVER
DETAIL**
NO SCALE

NOTE:

1. FENCE SHALL BE IN LINE WITH CURBS. IF FENCE SECTION CANNOT SPAN THE CULVERT, THEN POST SHALL BE PLATE MOUNTED TO CONCRETE CURB.



CEMENT CONCRETE CURB
DETAIL

NO SCALE

NOTES:

1. CONSTRUCTION ACTIVITY FOR CULVERTS SHALL NOT OCCUR UNTIL AFTER STRUCTURAL ENGINEERING APPROVAL IS OBTAINED.
2. BOX CULVERTS AND STREAM WORK BELOW ORDINARY HIGH WATER LINE SHALL ONLY OCCUR BETWEEN JUNE 16 AND SEPTEMBER 30 PER HPA APPROVAL CONDITIONS IN APPENDIX B OF THE SPECIAL PROVISIONS.

CITY OF SAMMAMISH APPROVAL	
City Engineer	Date
Community Development	Date

REVISED 60 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

▽	REVISIONS	DATE	BY	DESIGNED C. BUITRAGO
				DRAWN B. PURGANAN
				CHECKED P. JOHANNESSEN
				APPROVED Y. ED

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
BL1521075P19T03FP-01
JOB No.
554-1521-075 P19 T03
DATE
JULY 2017



PROJECT NAME

**EAST LAKE SAMMAMISH
MASTER PLAN TRAIL
SOUTH SAMMAMISH SEGMENT B**

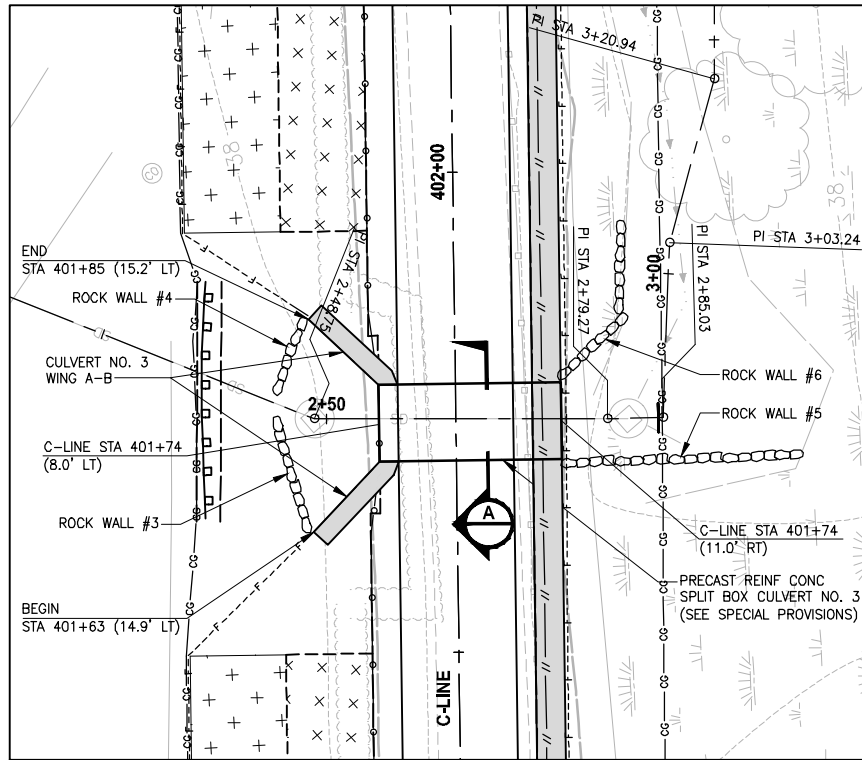
SAMMAMISH, WA

FISH PASSAGE CULVERTS

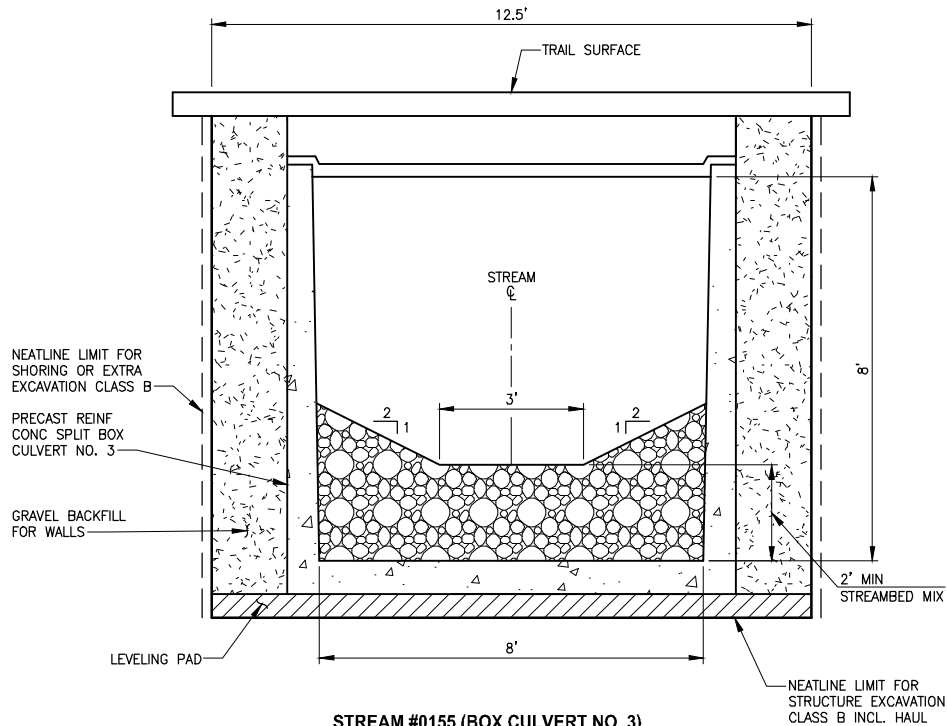
SHEET NO.
99 OF 158

FP2

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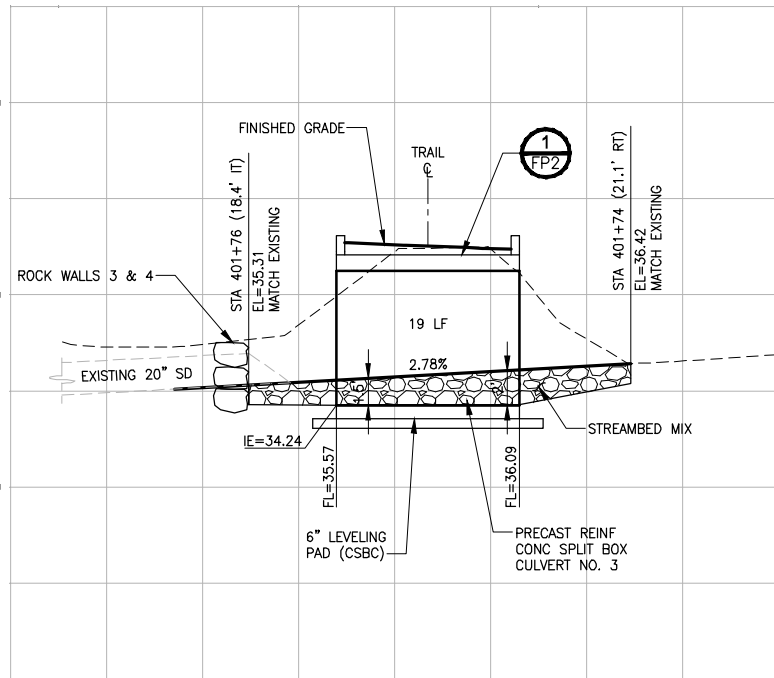
STREAM #0155
PLAN
SCALE IN FEET
0 10' 20'



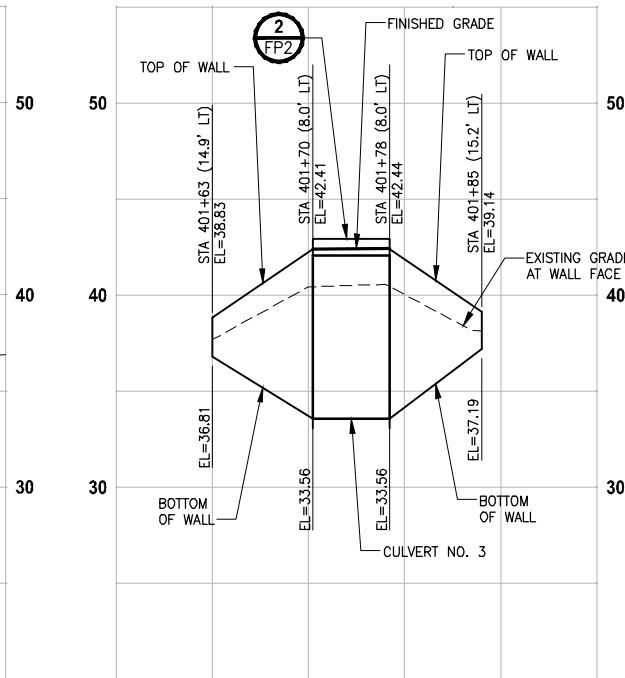
STREAM #0155 (BOX CULVERT NO. 3)
TYPICAL SECTION
NO SCALE

NOTES:

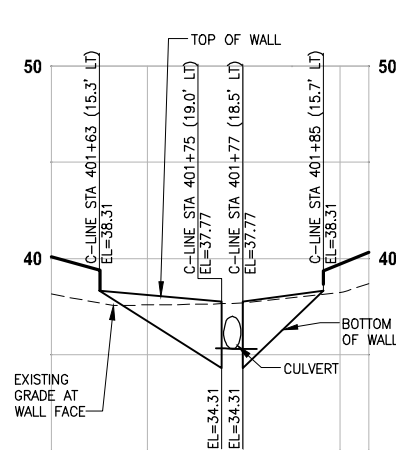
- CONSTRUCTION ACTIVITY FOR CULVERTS SHALL NOT OCCUR UNTIL AFTER STRUCTURAL ENGINEERING APPROVAL IS OBTAINED.
- BOX CULVERTS AND STREAM WORK BELOW ORDINARY HIGH WATER LINE SHALL ONLY OCCUR BETWEEN JUNE 16 AND SEPTEMBER 30 PER HPA APPROVAL CONDITIONS IN APPENDIX B OF THE SPECIAL PROVISIONS.



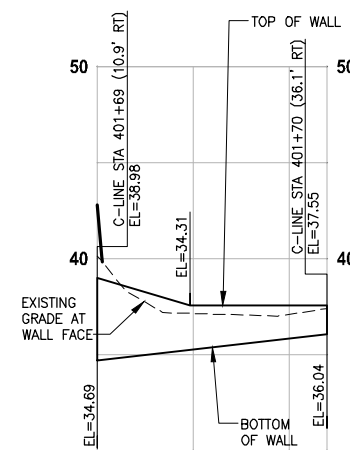
STREAM #0155
PROFILE B-LINE STA 401+75
HORIZ: 1"=10'
VERT: 1"=5'



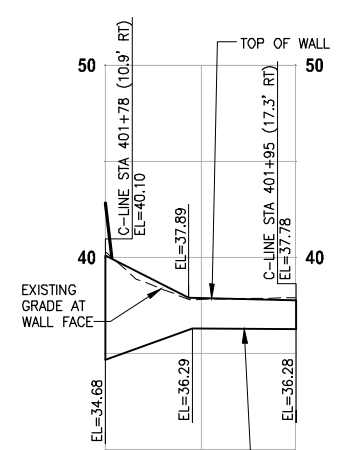
STREAM #0155
PROFILE CULVERT 3 WING AB
HORIZ: 1"=10'
VERT: 1"=5'



ROCK WALLS #3 & #4
PROFILE
HORIZ: 1"=10'
VERT: 1"=5'



ROCK WALL #5
PROFILE
HORIZ: 1"=10'
VERT: 1"=5'



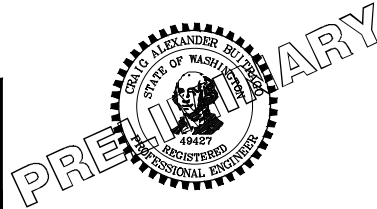
ROCK WALL #6
PROFILE
HORIZ: 1"=10'
VERT: 1"=5'

CITY OF SAMMAMISH APPROVAL	
City Engineer	Date
Community Development	Date

REVISED 60 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			C. BUITRAGO
			DRAWN
			B. PURGANAN
			CHECKED
			P. JOHANNESSEN
			APPROVED
			Y. HO

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY
FILE NAME
BL1521075P19T03FP-01
JOB No.
554-1521-075 P19 T03
DATE
JULY 2017



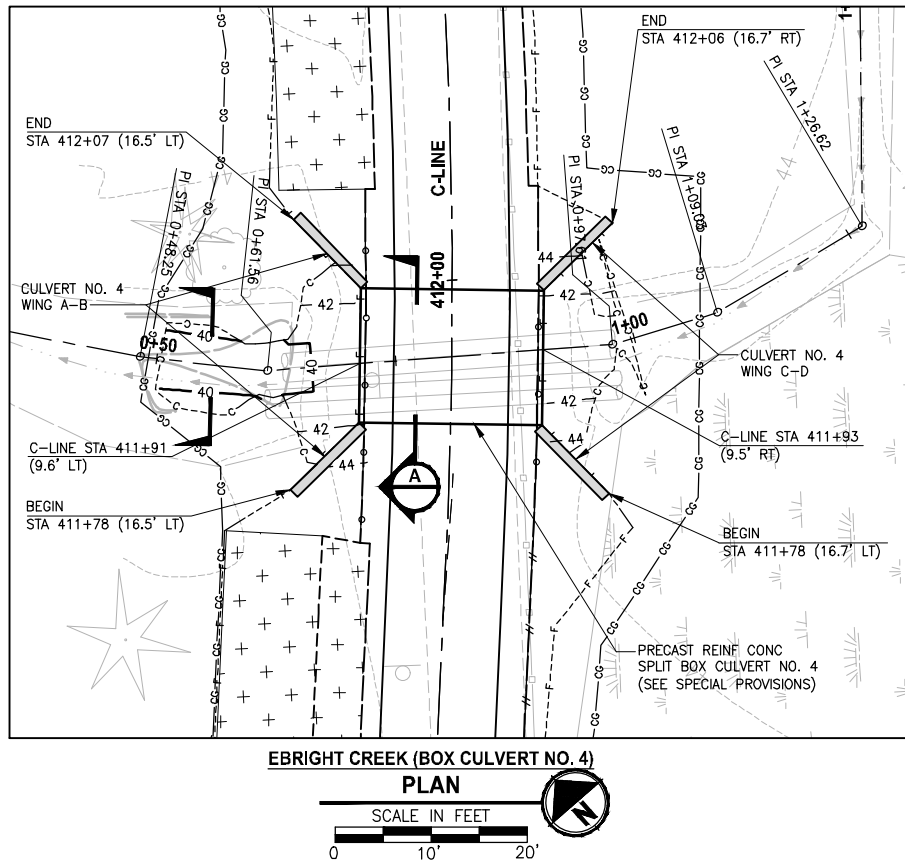
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PROJECT NAME
**EAST LAKE SAMMAMISH
MASTER PLAN TRAIL
SOUTH SAMMAMISH SEGMENT B**
SAMMAMISH, WA

FISH PASSAGE CULVERTS

SHEET NO.
100 OF 158
FP3

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EBRIGHT CREEK (BOX CULVERT NO. 4)

PLAN

SCALE IN FEET

0 10' 20'

NEATLINE LIMIT FOR SHORING OR EXTRA EXCAVATION CLASS B

PRECAST REINF CONC SPLIT BOX CULVERT NO. 4

GRAVEL BACKFILL FOR WALLS

LEVELING PAD

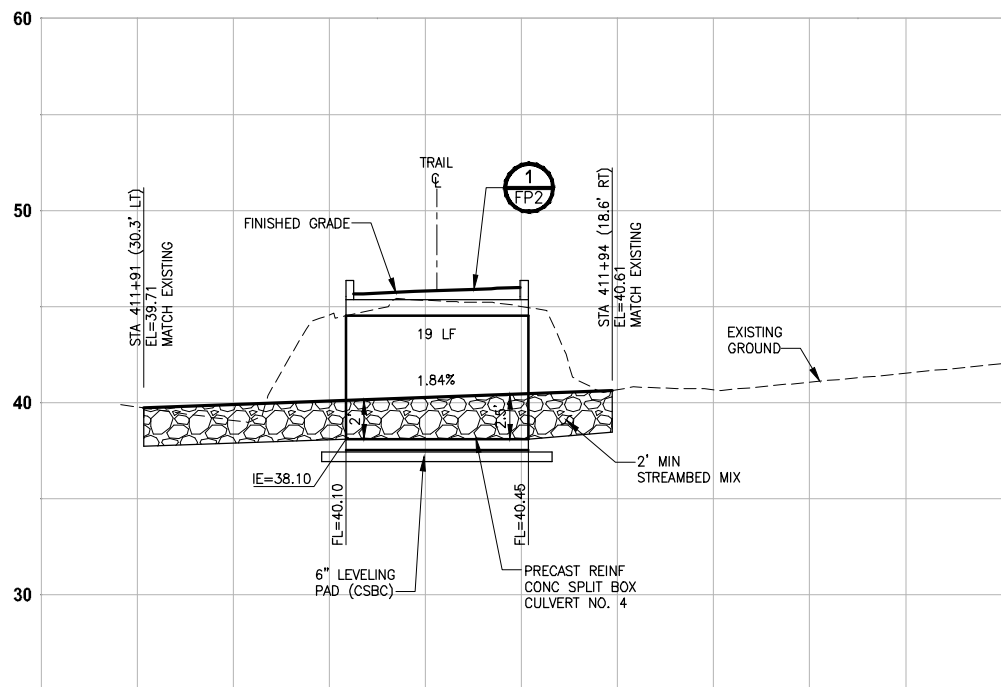
EBRIGHT CREEK (BOX CULVERT NO. 4)

TYPICAL SECTION

NO SCALE

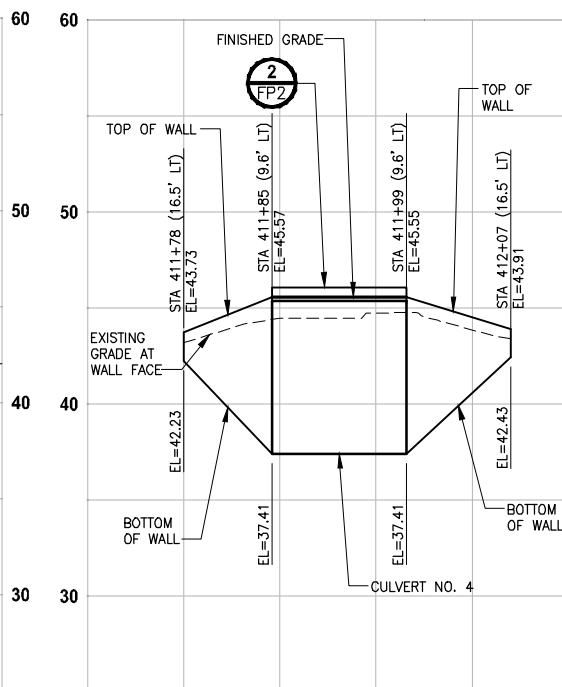
NOTES:

- CONSTRUCTION ACTIVITY FOR CULVERTS SHALL NOT OCCUR UNTIL AFTER STRUCTURAL ENGINEERING APPROVAL IS OBTAINED.
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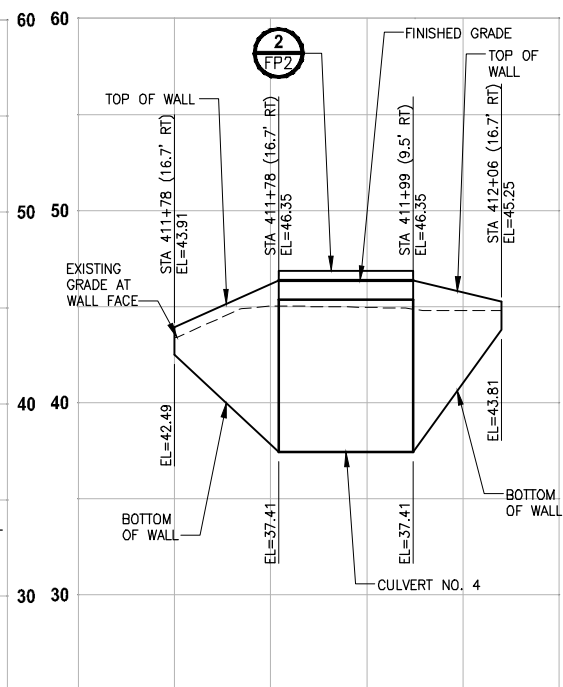
EBRIGHT CREEK
PROFILE C-LINE STA 411+90

HORIZ: 1"=10'
VERT: 1"=5'



EBRIGHT CREEK
PROFILE CULVERT 4 WING AB

HORIZ: 1"=10'
VERT: 1"=5'



EBRIGHT CREEK
PROFILE CULVERT 4 WING CD

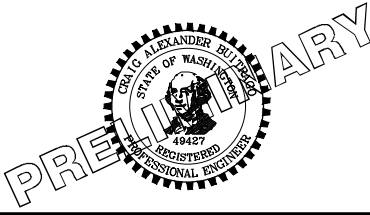
HORIZ: 1"=10'
VERT: 1"=5'

CITY OF SAMMAMISH APPROVAL	
City Engineer	Date
Community Development	Date

REVISED 60 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			C. BUITRAGO
			B. PURGANAN
			P. JOHANNESSEN
			Y. HO

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME BL1521075P19T03FP-01
JOB No. 554-1521-075 P19 T03
DATE JULY 2017



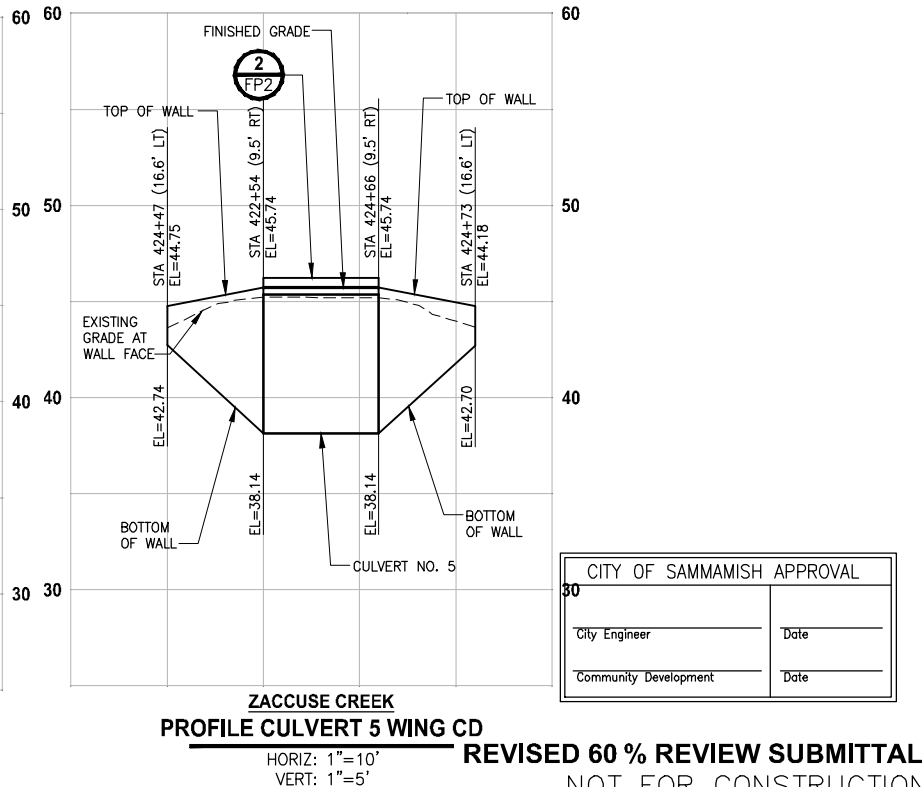
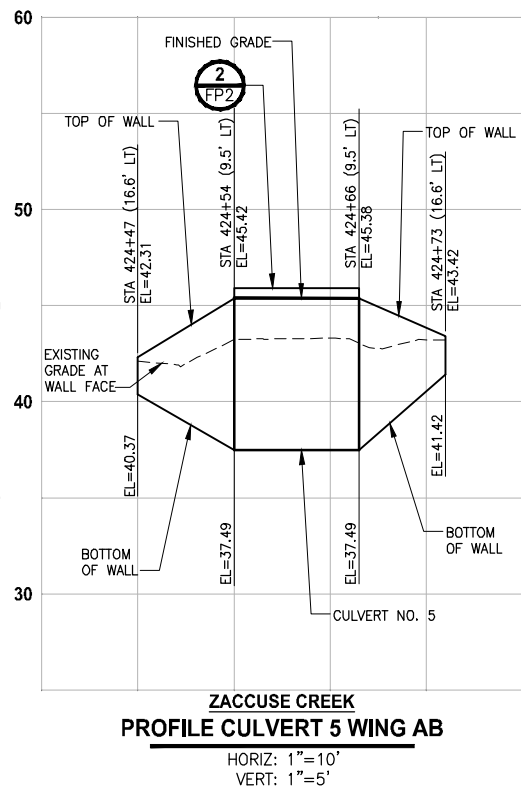
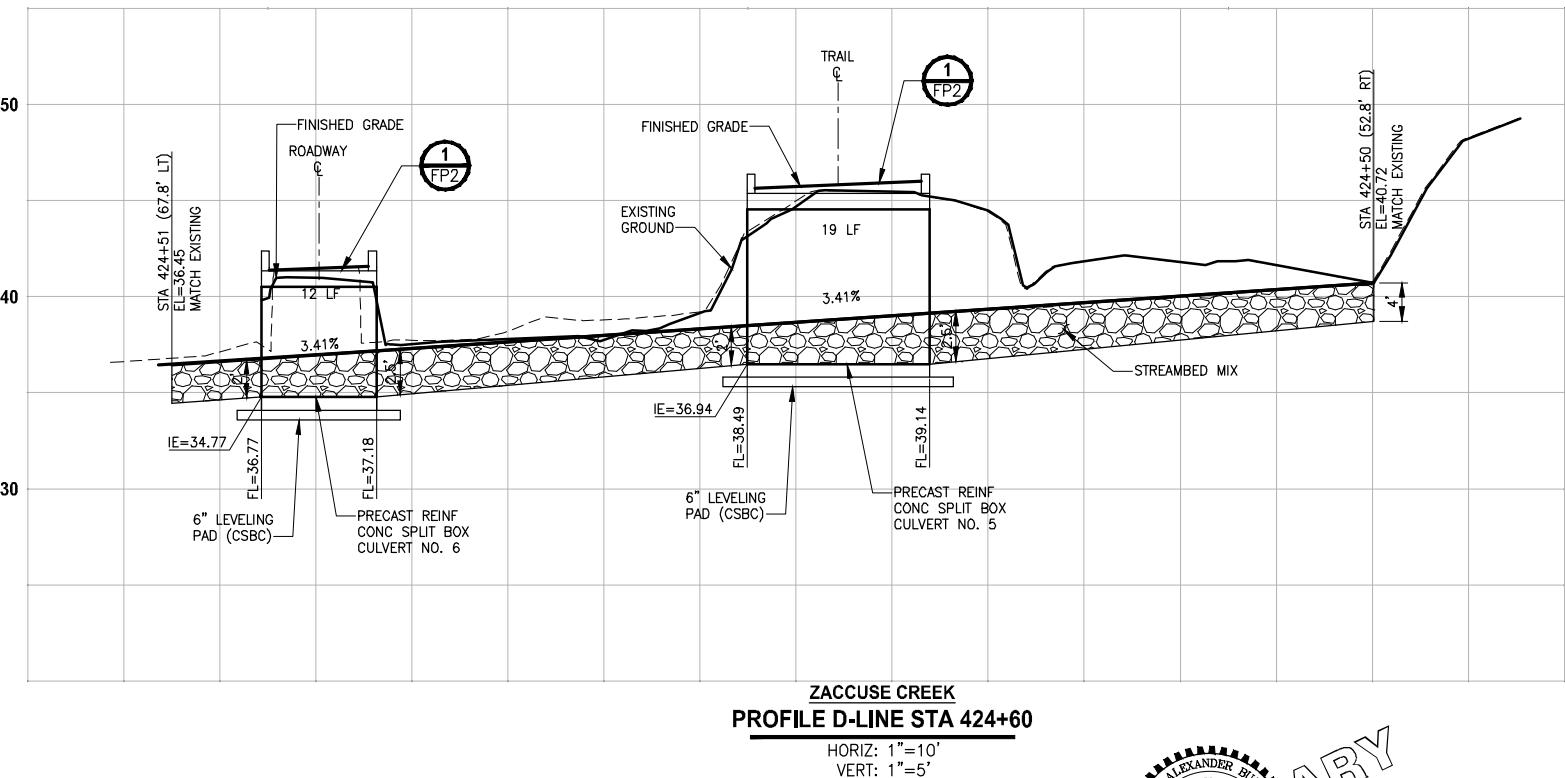
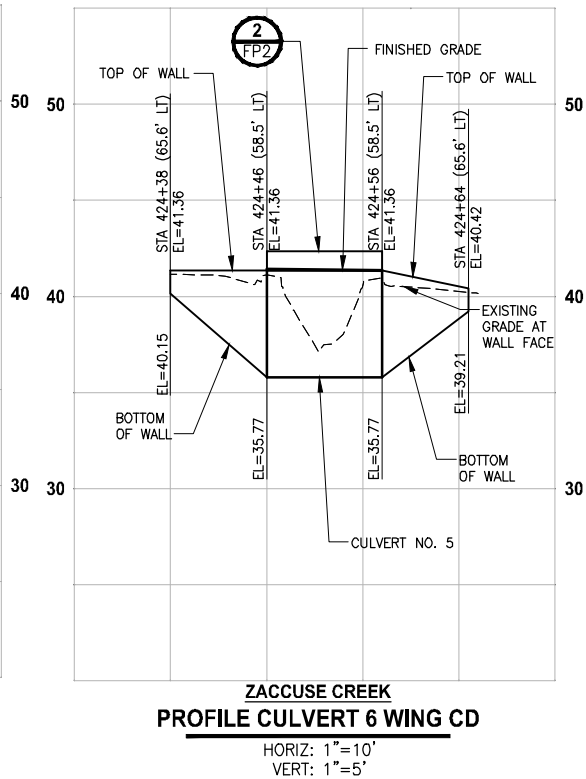
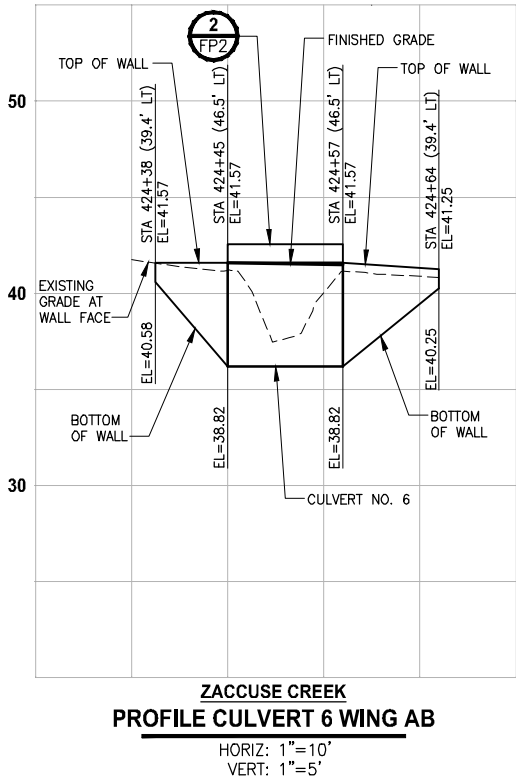
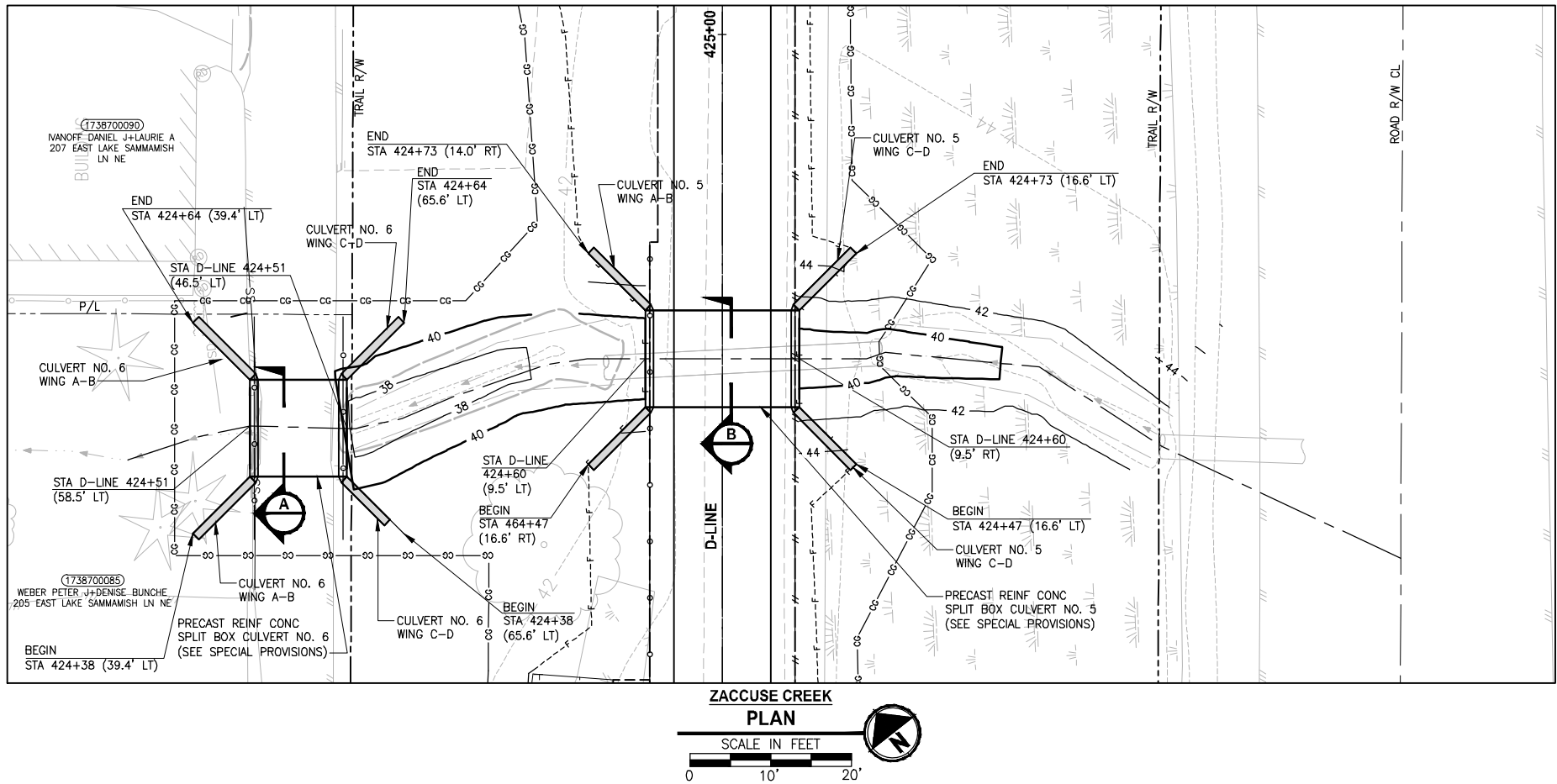
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P 206.394.3700
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PROJECT NAME
**EAST LAKE SAMMAMISH
MASTER PLAN TRAIL
SOUTH SAMMAMISH SEGMENT B**
SAMMAMISH, WA

FISH PASSAGE CULVERTS

SHEET NO.
101 OF 158
FP4

PATH: U:\P50\Projects\Clients\1521-075-ELST\99Svcs\CADD\Phase 19\T03 Civil\Draw\ LAYOUT: FP5 PLOTTED BY: purgubut DATE: Friday, July 07, 2017 5:22:31 PM



CITY OF SAMMAMISH APPROVAL	
City Engineer	Date
Community Development	Date

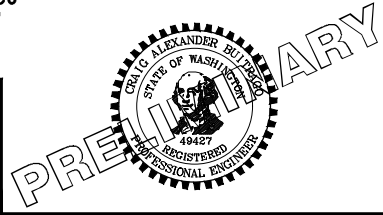
REVISIONS	DATE	BY	DESIGNED
			C. BUITRAGO
			DRAWN
			B. PURGANAN
			CHECKED
			P. JOHANNESSEN
			APPROVED
			Y. HO

ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
BL1521075P19T03FP-01

JOB No.
554-1521-075 P19 T03

DATE
JULY 2017



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PROJECT NAME

**EAST LAKE SAMMAMISH
MASTER PLAN TRAIL
SOUTH SAMMAMISH SEGMENT B**

SAMMAMISH, WA

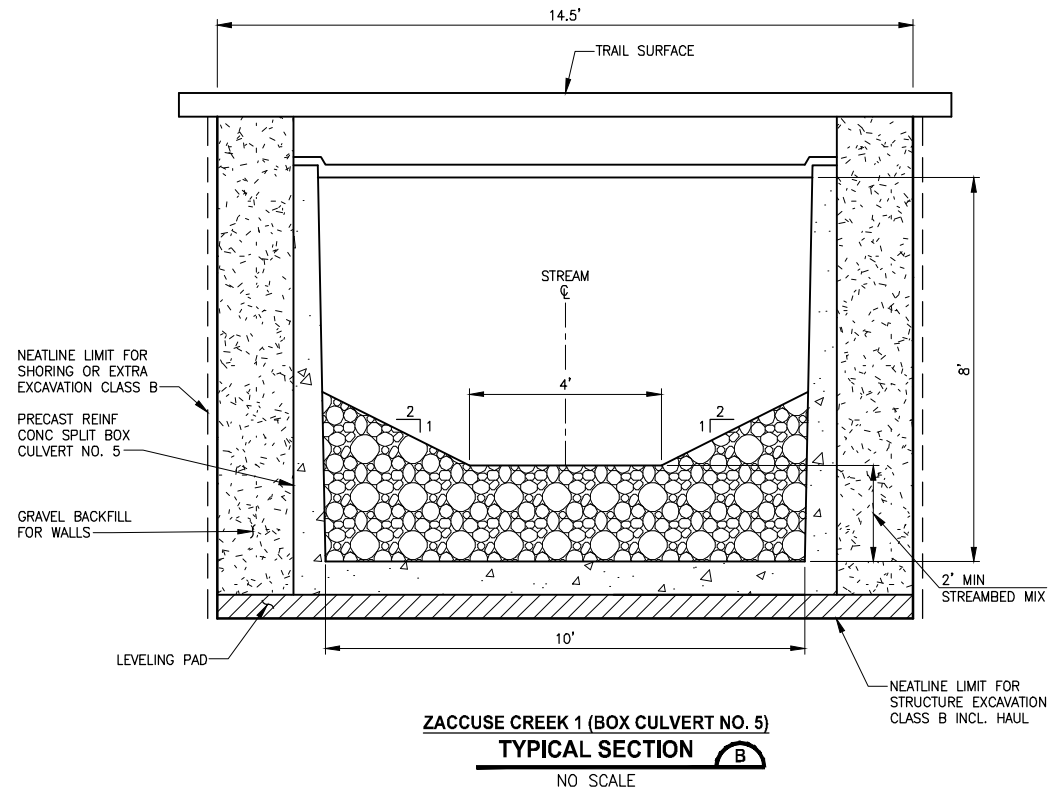
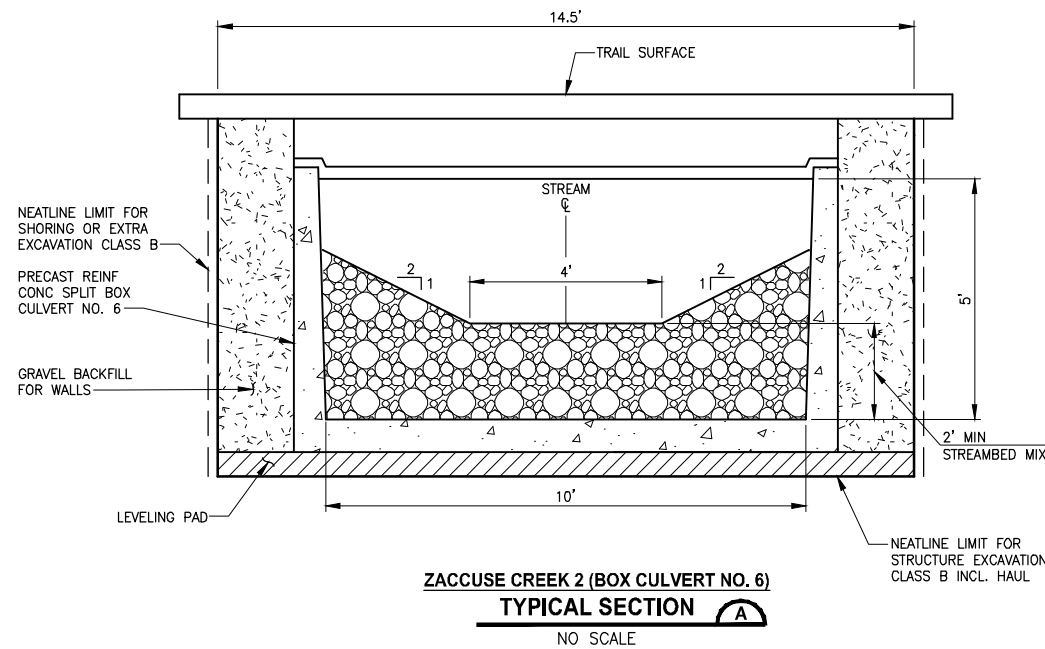
FISH PASSAGE CULVERTS

SHEET NO.
102 OF 158

FP5

REVISED 60 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

LAYOUT: FP6
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NOTES:

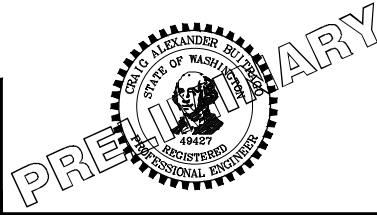
1. CONSTRUCTION ACTIVITY FOR CULVERTS SHALL NOT OCCUR UNTIL AFTER STRUCTURAL ENGINEERING APPROVAL IS OBTAINED.
2. BOX CULVERTS AND STREAM WORK BELOW ORDINARY HIGH WATER LINE SHALL ONLY OCCUR BETWEEN JUNE 16 AND SEPTEMBER 30 PER HPA APPROVAL CONDITIONS IN APPENDIX B OF THE SPECIAL PROVISIONS.

CITY OF SAMMAMISH APPROVAL	
City Engineer	Date
Community Development	Date

REVISED 60 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			C. BUITRAGO
			DRAWN
			B. PURGANAN
			CHECKED
			P. JOHANNESSEN
			APPROVED
			Y. HO

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
BL1521075P19T03FP-01
JOB No.
554-1521-075 P19 T03
DATE
JULY 2017



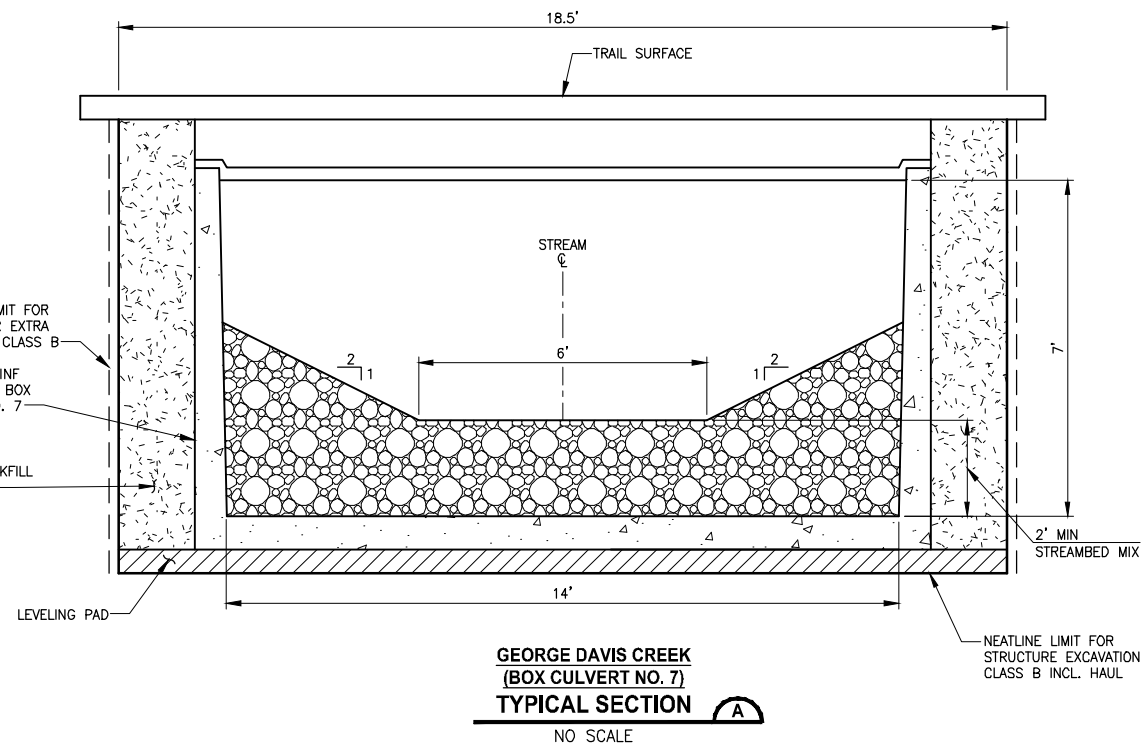
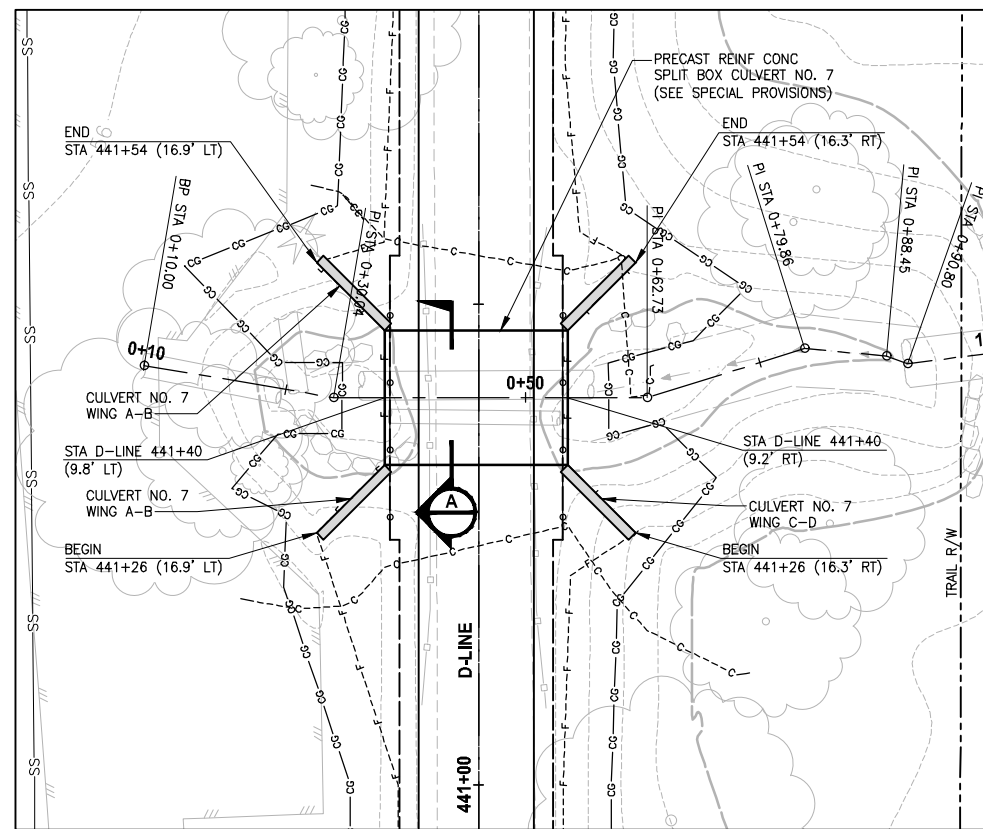
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PROJECT NAME
EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B SAMMAMISH, WA

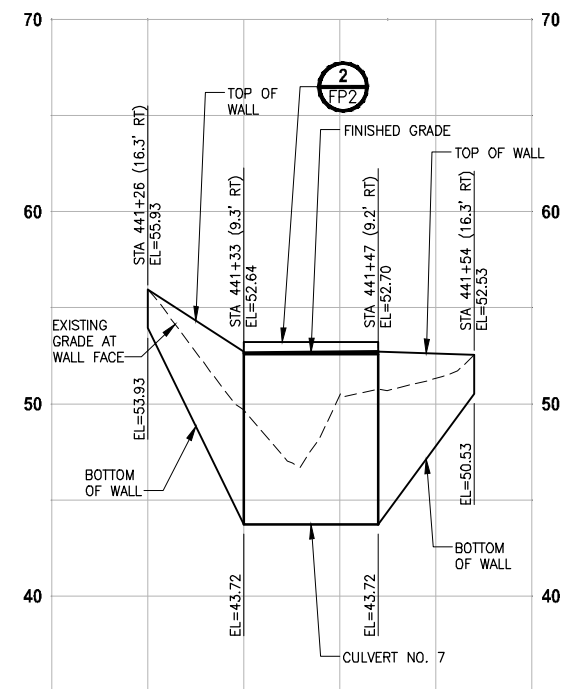
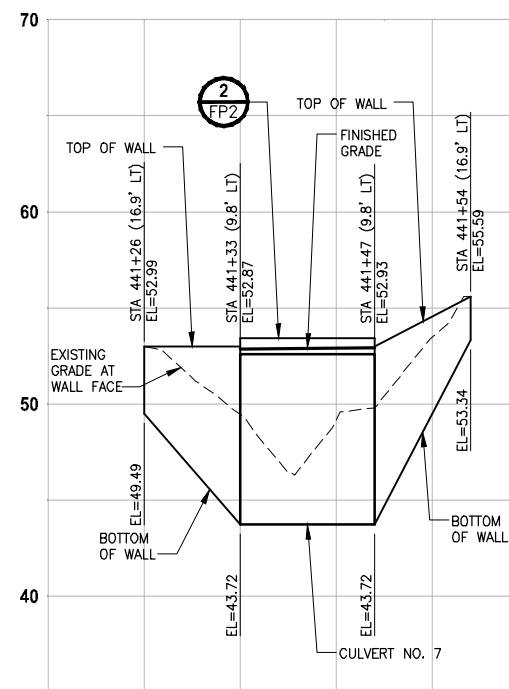
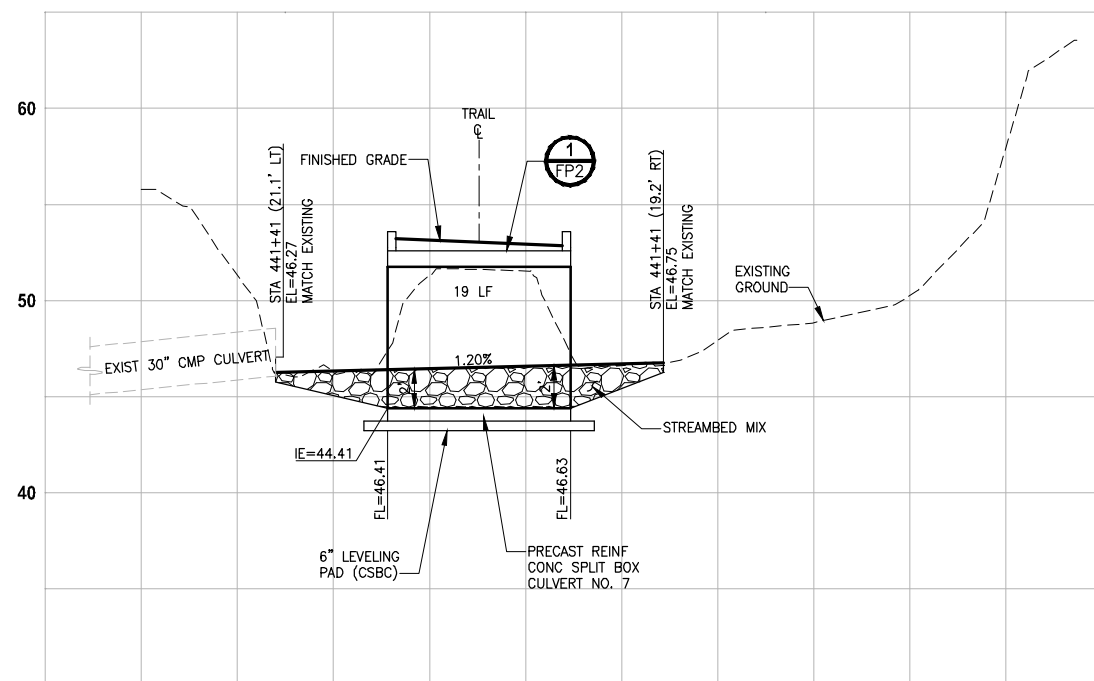
FISH PASSAGE CULVERTS

SHEET NO. 103 OF 158
FP6



- NOTES:**

1. CONSTRUCTION ACTIVITY FOR CULVERTS SHALL NOT OCCUR UNTIL AFTER STRUCTURAL ENGINEERING APPROVAL IS OBTAINED.
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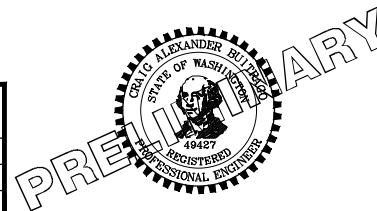
CITY OF SAMMAMISH APPROVAL	
City Engineer _____	Date _____
Community Development _____	Date _____

REVISED 60 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

	REVISIONS	DATE	BY	DESIGNED C. BUITRAGO
				DRAWN B. PURGAMAN
				CHECKED P. JOHANNESSEN
				APPROVED Y. ED

ONE INCH AT FULL SCALE
IF NOT, SCALE ACCORDINGLY

FILE NAME
BL1521075P19T03FP-01
JOB No.
554-1521-075 P19 T03
DATE
JULY 2017



PROJECT NAME

**EAST LAKE SAMMAMISH
MASTER PLAN TRAIL
SOUTH SAMMAMISH SEGMENT B**

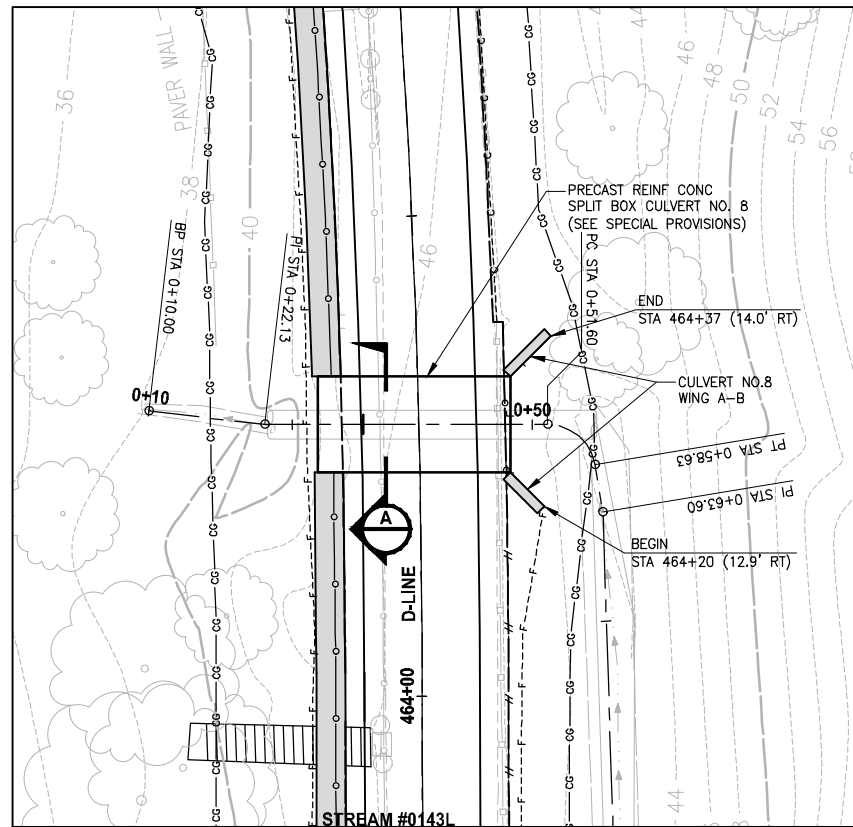
SAMMAMISH, WA

FISH PASSAGE CULVERTS

SHEET NO.
04 OF 158

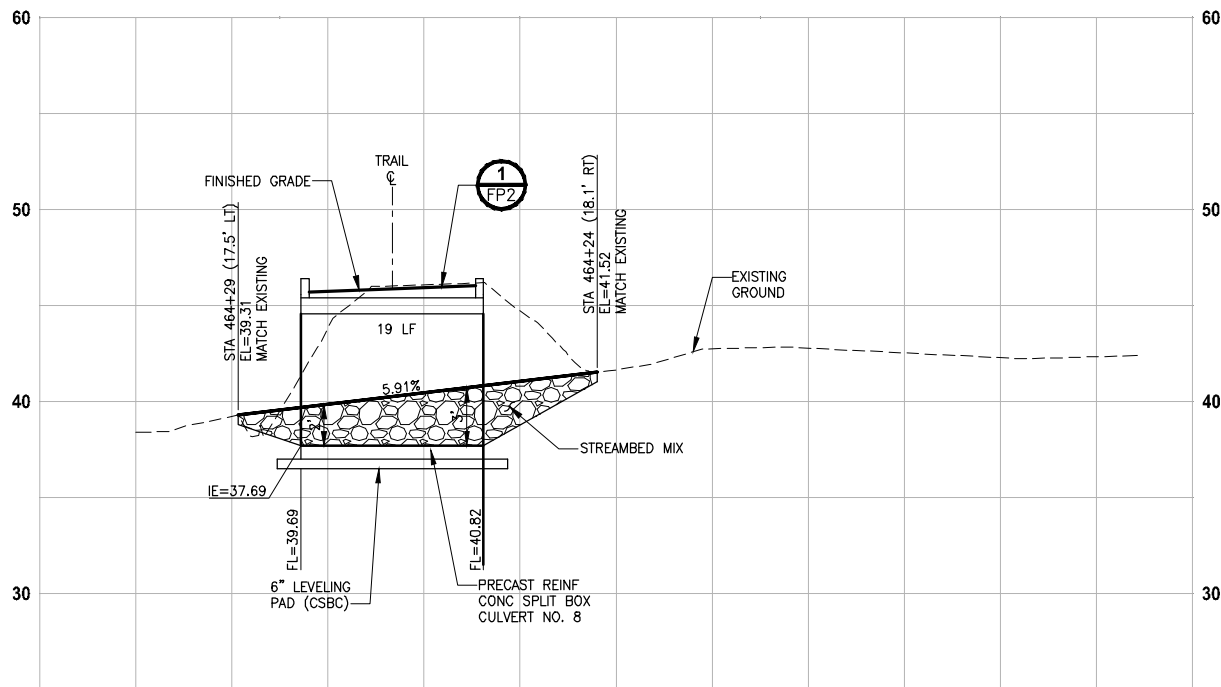
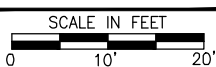
FP7

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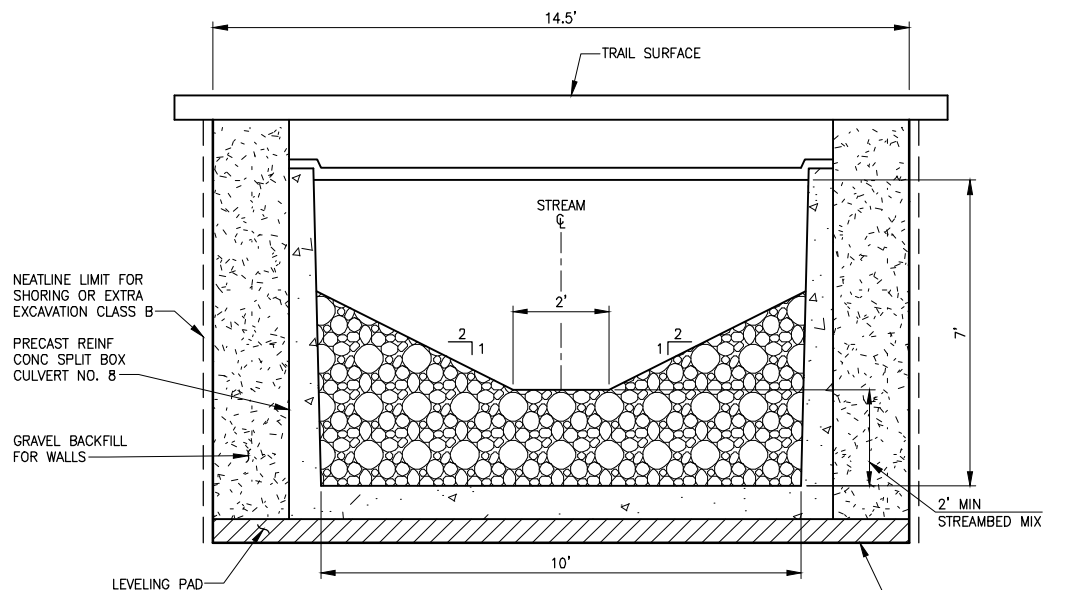
STREAM #0143L
(BOX CULVERT NO. 8)

PLAN



STREAM #0143L
PROFILE D-LINE STA 464+28

HORIZ: 1"=10'
VERT: 1"=5'



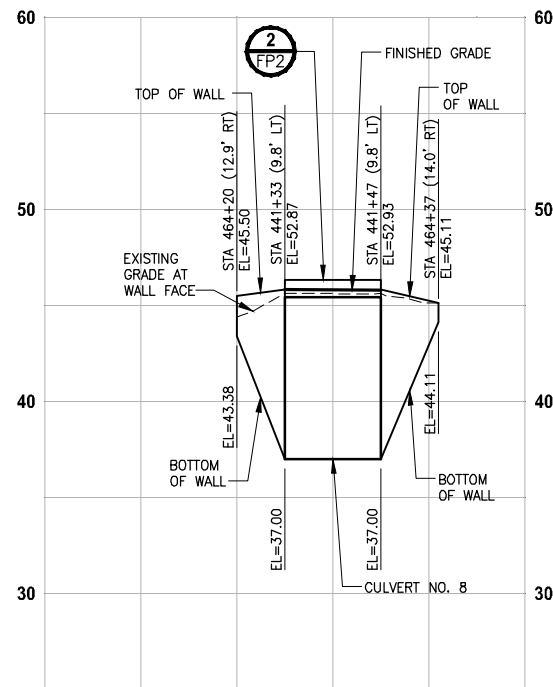
STREAM #0143L (BOX CULVERT NO. 8)

TYPICAL SECTION A

NO SCALE

NOTES:

1. CONSTRUCTION ACTIVITY FOR CULVERTS SHALL NOT OCCUR UNTIL AFTER STRUCTURAL ENGINEERING APPROVAL IS OBTAINED.
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STREAM #0143L
PROFILE CULVERT 8 WING AB

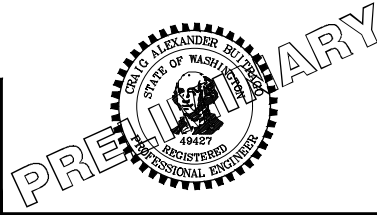
HORIZ: 1"=10'
VERT: 1"=5'

CITY OF SAMMAMISH APPROVAL	
City Engineer	Date
Community Development	Date

REVISED 60 % REVIEW SUBMITTAL
NOT FOR CONSTRUCTION

REVISIONS	DATE	BY	DESIGNED
			C. BUITRAGO
			B. PURGANAN
			P. JOHANNESSEN
			Y. HO

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME BL1521075P19T03FP-01
JOB No. 554-1521-075 P19 T03
DATE JULY 2017



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PROJECT NAME
**EAST LAKE SAMMAMISH
MASTER PLAN TRAIL
SOUTH SAMMAMISH SEGMENT B**
SAMMAMISH, WA

FISH PASSAGE CULVERTS

SHEET NO.
105 OF 158
FP8